



Testing the Digital Standard: Smart Pressure Cooker

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This post is part of a [series](#) that aims to assess the Digital Standard by testing the methodology with a few representative smart devices connected to the Internet of Things. You can view and download our full methodology to conduct your own assessments, and read our assessments of other devices as the project continues.

The Digital Standard

In 2018, New America's Open Technology Institute (OTI) launched a project to [educate people](#) about the [Digital Standard](#), a new framework for evaluating the privacy and security of internet-connected consumer products and software. The Standard was developed by a group of organizations, including [Ranking Digital Rights](#), in collaboration with [Consumer Reports](#). Building off this work, we're selecting a few representative products and apps and putting them through the tests that the Digital Standard describes. Our [methodology](#) will include exactly how we judged each indicator, including what information was needed in order to measure whether the indicator was met, where we looked for it and where we found it, and how we interpreted the inevitable vagueness and edge cases. Below you'll find information related to the second product in this series: a smart pressure cooker.

The Smart Pressure Cooker

The product for our second round of Digital Standard testing is a smart pressure cooker, which is made by a company that produces various other kitchen appliances. The product consists of a physical device, which has various cooking functionalities, and a mobile app that connects with the physical device. The app allows users to conduct actions like set a time for the appliance to begin cooking, select what item to cook from a pre-determined list of options, and monitor the status of the cooking process.

Note: For the purposes of this project, we will not be revealing the manufacturer, service provider, or any other company or product names for the devices we are testing. Our goal is to develop and document a process to implement the Digital Standard, and we feel that publishing specific information about the products we are testing detracts from that process.

Terms of Service and Privacy Policy Documents

✓ Pass ⚠ Partial Pass ✗ Fail

| — Terms of Service — | | |
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| Indicator | Smart Pressure Cooker | Final Results |
| <i>The company clearly discloses which terms of service apply to the product/service in question.</i> | <ul style="list-style-type: none"> The company website uses the term “terms of use” instead of terms of service. It is specified that the terms of use apply to use of the product website. | ✓ |
| <i>The terms of service are easy to find.</i> | <ul style="list-style-type: none"> The terms of use are available on the product website. They can be directly accessed there, or users can be directed to that web page when they create an account on the pressure cooker app. The app specifies that by creating an account users are agreeing to the terms of service. The page that users are directed to calls the same agreement a “terms of use,” simply using a different term than that which is listed on the website. | ✓ |
| <i>The terms of service are available in the language(s) most commonly spoken by the company's users.</i> | <ul style="list-style-type: none"> We cannot tell from the website available to testers in which countries the product is sold, though legal provisions and the listed address for customer service indicate that the company is based in Canada. The website only lists the terms of service in English, however the website may show different languages when users' IP addresses locate them in non-English speaking countries. The website identifies that it is in “North America English” through an icon and gives users the opportunity to click to a United Kingdom website, but those are the only options shown to a U.S.-based IP address. This is challenging for testers, and also does not recognize that users based in primarily English-speaking countries may speak languages other than English. | ⚠ |
| <i>The terms of service are presented in an understandable manner.</i> | <ul style="list-style-type: none"> The terms of service are written in plain language, the important terms are defined, and the document is easy to follow. | ✓ |

— Privacy Policy —

| Indicator | Smart Pressure Cooker | Final Results |
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| <p><i>The company clearly discloses which privacy policy applies to the product/service in question.</i></p> | <ul style="list-style-type: none"> • The website's standard privacy policy states that it is applicable to all the product-line's brands, and covers all interactions with the brand including the website, application, feature, customer support service, etc. • The website also includes a supplemental California Privacy Notice, which applies to all the product-line's brands. • There is a specific notice to residents of Nevada included in the overall privacy policy. | <p>✓</p> |
| <p><i>The privacy policy is easy to find.</i></p> | <ul style="list-style-type: none"> • Both the standard and California supplemental privacy policies are available and easy to find on the product website. • A link to the privacy policy also appears in a shorter "Consent Notice" that is shown when users create an account. | <p>✓</p> |
| <p><i>The privacy policy is available in the language(s) most commonly spoken by the company's users.</i></p> | <ul style="list-style-type: none"> • We cannot tell from the website available to testers in which countries the product is sold, though legal provisions and the listed address for customer service indicate that the company is based in Canada. • The website only lists the various privacy documents in English, however the website may show different languages when users' IP addresses locate them in non-English speaking countries, • The website identifies that it is in "North America English" through an icon and gives users the opportunity to click to a United Kingdom website, but those are the only options shown to a U.S.-based IP address. • This is challenging for testers, and also does not recognize that users based in primarily English-speaking countries may speak languages other than English. | <p>⚠</p> |
| <p><i>The privacy policy is presented in an understandable manner.</i></p> | <ul style="list-style-type: none"> • The privacy documents use examples, have definitions of terms, and although they contain significant legal language, they are comparatively clear. • The California-specific notice is especially detailed, including a comprehensive table providing further information and examples. | <p>⚠</p> |

Terms of Service and Privacy Policy Change Notification

✓ Pass ⚠ Partial Pass ✗ Fail

— Terms of Service —

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>Commitment to notify users about changes to the terms of service.</i> | <ul style="list-style-type: none">• The terms of use indicate that users will be notified of changes to the terms of use through a notice posted on the website's homepage.• It does not describe any mechanism for notifying app users about terms of use changes without them having to visit the website.• The terms of use specify that they apply to use of the website, and do not mention the product app specifically. However, it appears that the terms of use do apply to the app because agreeing to them is part of creating an account on the app. | ✓ |
| <i>Disclosure of how users will be directly notified of changes to the terms of service.</i> | <ul style="list-style-type: none">• The terms of use indicate that users will be notified of changes to the terms of use through a notice posted on the website's homepage. | ✓ |
| <i>Disclosure of timeframe for notification prior to changes to the terms of service coming into effect.</i> | <ul style="list-style-type: none">• The terms of use specify that users will be notified that changes have been made through a notice posted on the website's homepage. Although the company does not make a commitment to notify users ahead of time, the notice does provide a timeframe, stating that any changes will take effect at the time the notice is posted. | ✓ |
| <i>Maintains a public archive or change log of the terms of service.</i> | <ul style="list-style-type: none">• No past terms of use or changes are documented in the terms of use or elsewhere on the product website, and the policy does not contain any commitment to retain documentation about past policies for consumer reference. | ✗ |

— Privacy Policy —

| Indicator | Smart Pressure Cooker | Final Results |
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| <p><i>Commitment to notify users about changes to the privacy policy.</i></p> | <ul style="list-style-type: none"> The privacy policy indicates that users will be notified of changes to the privacy policy through a notice posted on the website. The policy also notes that the company may provide other forms of notice at their discretion, such as through contact information provided with a user's account. The company commits to provide notice and obtain user consent to the new policy, which may be opt-in or opt-out, however also notes that consent may be provided by continued use of the website. | <p>✓</p> |
| <p><i>Disclosure of how users will be directly notified of changes to the privacy policy.</i></p> | <ul style="list-style-type: none"> The privacy policy indicates that users will be notified of changes to the privacy policy through a notice posted on the website. The policy also notes that the company may provide other forms of notice at their discretion, such as through contact information provided with a user's account. | <p>✓</p> |
| <p><i>Disclosure of timeframe for notification prior to changes to the privacy policy coming into effect.</i></p> | <ul style="list-style-type: none"> The privacy policy specifies that users will be notified that changes have been made through a notice posted on the website's homepage. Although the company does not make a commitment to notify users ahead of time, the notice does provide a timeframe, stating that any changes will take effect at the time the notice is posted. | <p>✓</p> |
| <p><i>Maintains a public archive or change log of the privacy policy.</i></p> | <ul style="list-style-type: none"> No past privacy policies or changes are documented and the policy does not contain any commitment to retain documentation about past policies for consumer reference. | <p>✗</p> |

Process for Terms of Service Enforcement

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company or organization clearly explains what types of activities it does not permit.</i> | <ul style="list-style-type: none"> The terms of use do not contain a list of types of activities the company does not permit. The only relevant statement is a blanket statement that users agree to obey all applicable laws while using the product website, without any explanation. | ✗ |
| <i>The company or organization clearly explains why it may restrict a user's account.</i> | <ul style="list-style-type: none"> The terms of use do not contain a list of types of activities that may lead to the company restricting the user's account. | ✗ |
| <i>The company or organization clearly discloses the mechanisms it uses to identify accounts that violate the rules.</i> | <ul style="list-style-type: none"> The company does not disclose any mechanisms it uses to identify accounts that violate the terms of use. | ✗ |
| <i>The company or organization clearly discloses whether any non-government and non-judicial entities receive priority consideration when identifying accounts to be restricted for violating the company's rules, and if so, how that priority status is conferred.</i> | <ul style="list-style-type: none"> The company does not disclose whether any non-government and non-judicial entities receive priority consideration when identifying accounts to be restricted for violating the company's rules, or how any priority status would be conferred. | ✗ |
| <i>The company or organization clearly explains its process for enforcing its rules.</i> | <ul style="list-style-type: none"> The company does not disclose the mechanisms it uses to identify accounts that violate the terms of use, or to enforce any rules about the company's terms of use. | ✗ |
| <i>The company or organization provides clear examples to help the user understand what the rules are and how they are enforced.</i> | <ul style="list-style-type: none"> The company does not provide any examples to help users understand what the rules are and how they are enforced. | ✗ |

Transparency About Terms of Service Enforcement

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <p><i>The company or organization publishes data about the number of accounts it restricts or closes on its own initiative.</i></p> | <ul style="list-style-type: none"> • The company does not publish any data about the number of accounts it restricts or closes. • There is no information about reporting requirements and processes included in the product terms of use. • The app provider does not publish a transparency report. | <p>✗</p> |
| <p><i>The company or organization publishes data about the number of accounts it restricts or closes as a result of a government request.</i></p> | <ul style="list-style-type: none"> • The company does not publish any data about the number of accounts it restricts or closes. • There is no information about reporting requirements and processes included in the product terms of use. • The app provider does not publish a transparency report. | <p>✗</p> |
| <p><i>The company or organization publishes data about the number of accounts it restricts or closes as a result of a request from private third parties.</i></p> | <ul style="list-style-type: none"> • The company does not publish any data about the number of accounts it restricts or closes. • There is no information about reporting requirements and processes included in the product terms of use. • The app provider does not publish a transparency report. | <p>✗</p> |
| <p><i>The company or organization clearly discloses that it notifies users when it restricts or closes user accounts.</i></p> | <ul style="list-style-type: none"> • The company does not publish any data about the number of accounts it restricts or closes. • There is no information about reporting requirements and processes included in the product terms of use. • The app provider does not publish a transparency report. | <p>✗</p> |

Identity Policy

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company does not require users to verify their identity with their government-issued identification, or with other forms of identification that could be connected to their offline identity.</i> | <ul style="list-style-type: none">• The company does not require users to verify their identity with their government-issued identification, or with other forms of identification that could be connected to their offline identity.• There is no requirement in the terms of service that users use their legal names. | ✓ |

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Security Oversight

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company has systems in place to limit and monitor employee access to user information.</i> | <ul style="list-style-type: none">The privacy policy and all other documentation available on the company website does not describe employee access policies, or identify ways that employees are limited from accessing user information. | ✗ |
| <i>The company has an internal security team that conducts security audits on the company's products and services.</i> | <ul style="list-style-type: none">The privacy policy and all other documentation available on the company website does not describe any internal review processes or audits, or indicate whether there are specific employees responsible for conducting them. | ✗ |
| <i>The company commissions third-party security audits on its products and services.</i> | <ul style="list-style-type: none">The privacy policy and all other documentation available on the company website does not describe any third-party review processes or audits. | ✗ |
| <i>The company ensures that third-parties who process data on behalf of the company implement the required technical and organizational measures to protect user data.</i> | <ul style="list-style-type: none">The privacy policy and all other documentation available on the company website does not describe requirements for third parties that process data on behalf of the company to implement data protection practices. | ✗ |

Third-Party Requests for User Data

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company explains its process for responding to non-judicial government requests.</i> | <ul style="list-style-type: none"> The privacy policy indicates that the company may use or disclose any information as needed to satisfy any law, regulation, or legal request, or cooperate with various types of government investigation, but does not specify whether these requests are judicial or non-judicial. The privacy policy does not describe any process for evaluating and responding to these requests, other than that information may be shared. | ✗ |
| <i>The company explains its process for responding to court orders.</i> | <ul style="list-style-type: none"> The privacy policy indicates that the company may use or disclose any information as needed to satisfy any law, regulation, or legal request, or cooperate with various types of government investigation. The privacy policy does not describe any process for responding to these requests, other than that information may be shared. | ✗ |
| <i>The company explains its process for responding to requests from foreign jurisdictions.</i> | <ul style="list-style-type: none"> The privacy policy does not distinguish between domestic and foreign jurisdiction requests, nor does it describe any process for responding to any such requests. | ✗ |
| <i>The company explains its process for responding to requests made by private parties.</i> | <ul style="list-style-type: none"> The privacy policy states that the company reserves the right to exchange information with other companies and organizations for fraud protection in the section on information sharing, but does not describe any process for responding to any such requests. The California supplemental privacy notice specifies that the company does not share personal information with third parties for their direct marketing purposes, but does not describe any process for handling any such requests. | ✗ |

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| <p><i>The company's explanations include the legal basis under which it may comply.</i></p> | <ul style="list-style-type: none"> Although the policy lists situations in which the company will share information, it only provides examples and not a comprehensive list, and it does not provide any information about how the company complies with third-party requests. | <p>✗</p> |
| <p><i>The company commits to carry out due diligence on requests before deciding how to respond and to push back on unlawful requests.</i></p> | <ul style="list-style-type: none"> Although the policy lists situations in which the company will share information, it does not provide any information about any process to assess the legality of requests or how the company determines its compliance with requests. | <p>✗</p> |
| <p><i>The company provides guidance or examples of implementation of its process.</i></p> | <ul style="list-style-type: none"> There are no examples about how any information sharing processes may be implemented. | <p>✗</p> |

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Data Control

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <p><i>The definition of “user information” includes information collected from third-parties.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy includes information collected from third parties in its description of information that the service collects. | <p>⚠</p> |
| <p><i>Users can control the collection of their information.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The pressure cooker’s legal documents tell customers that they may block web browser cookies and provide a link to a website describing how to do so. The policy explicitly allows that customers may decline to provide information in the course of using their products (though it does note that doing so may mean that they are unable to use the service). • However, the legal documents also notify customers that the company uses tracking images and javascript code to collect information and does not offer a way to control this tracking. The privacy policy also explicitly states that their website does not recognize the “Do Not Track” signal from web browsers. • Therefore, the pressure cooker receives a “partial pass” both because it is limited to that grade due to the legal documents’ ambiguity about its application to the smart device and because it only provides users the ability to control collection of some kinds of data. | <p>⚠</p> |

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| <p><i>Users can delete their information.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The pressure cooker’s legal documents give instructions on how to correct or delete information that the service has collected, although the mechanism to do so is cumbersome. The legal documents also note that copies of the information may continue to exist for some amount of time in backup storage. |  |
| <p><i>Users can control how their information is used to target advertising.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The pressure cooker’s legal documents allow a user to control the use of their information for the purposes of targeted advertising. |  |
| <p><i>Clear explanation of how users can control whether their information is used for targeted advertising.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy contains an extensive description of how to opt out of targeted advertising. |  |
| <p><i>Users can obtain a copy of their information.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy provides users with the ability to access their data, though only by emailing the company directly. |  |

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| <p><i>Disclosure of what user information users can obtain.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy explicitly describes the information that users can obtain by referring to “Personal Information,” which is defined elsewhere in the document. |  |
| <p><i>Users can obtain their information in a structured data format.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy does not indicate that users can obtain their information in a structured data format. |  |
| <p><i>Users can obtain all public-facing and private user information the company holds about them.</i></p> | <ul style="list-style-type: none"> • The service provider’s privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. • The privacy policy explicitly states that users may access all of the information that the company holds that is personally identifiable, regardless of how the company obtained it. |  |

Data Collection

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>Disclosure of the type of user information collected.</i> | <ul style="list-style-type: none">• The service provider's privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly.• The service provider's privacy policy provides reasonably detailed descriptions of the types of information that they collect. | ⚠ |
| <i>Disclosure of how user information is collected.</i> | <ul style="list-style-type: none">• The service provider's privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly.• The service provider's privacy policy describes in reasonable detail the methods by which the provider collects information about the user. | ⚠ |
| <i>Test the product's sensors to determine whether they give clear indication when they become activated.</i> | <ul style="list-style-type: none">• The only sensors that the device carries (for pressure and temperature within the device while operational) do not collect any personal information. | ✓ |

Minimal Data Collection

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The user information collected is only that which is directly relevant and necessary for the service.</i> | <ul style="list-style-type: none">• Much of the information that the company collects, such as demographic information and location data, is not directly relevant to the operation of the product and service being provided. | ✗ |
| <i>Product still works when all permissions not relevant to product's functionality are declined.</i> | <ul style="list-style-type: none">• The app associated with the pressure cooker does not provide any mechanism for revoking permission to collect data aside from deletion of the user's account. | ✗ |

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Data Use

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company puts limits on the use of my data that are consistent with the purpose for which the data is collected.</i> | <ul style="list-style-type: none">The legal documents found on the company's website do provide a list describing how the company uses the data it collects, but that list does not indicate how the data collected is necessary for the usage described or how the collection is consistent with those uses. | ✗ |
| <i>The company explicitly discloses every way in which it uses my data.</i> | <ul style="list-style-type: none">The manufacturer's legal documents describe explicit use restrictions and the observed activities of the pressure cooker and its accompanying app do not appear to demonstrate any uses of data outside of those described.However, the manufacturer's privacy policy does not explicitly state that it applies to "smart" devices or the pressure cooker in particular. | ⚠ |

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Data Retention and Deletion

✓ Pass ⚠ Partial Pass ✗ Fail

— **Criteria: The company retains data only as long as relevant and reasonably necessary to provide service to me.** —

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company on its own deletes outdated and unnecessary personal information, or renders that data to be reasonably de-identified.</i> | <ul style="list-style-type: none"> The service provider's privacy policy located on its website states that it is applicable to any application or online service controlled by the company. This appears on the surface to include the pressure cooker itself as well as the accompanying mobile app, but that connection is not made explicitly. The privacy policy states that the company will delete personal information when it is no longer necessary for the purpose for which it was collected. | ⚠ |
| <i>The company provides specific retention periods for different types of information that are reasonably scoped to get rid of outdated and unnecessary personal information.</i> | <ul style="list-style-type: none"> The company does not provide specific retention periods for different types of information. | ✗ |

— **Criteria: I can delete the data the company has about me that is not needed to provide the service.** —

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company offers easy-to-find and -use controls that allow users to delete data not necessary to render service.</i> | <ul style="list-style-type: none"> The pressure cooker app does not provide any mechanism to delete data without deleting the entire account. | ✗ |

— **Criteria: My account and information are deleted when I leave the service.** —

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>All user information is deleted when the user's service is terminated, or the service no longer operates.</i> | <ul style="list-style-type: none"> The manufacturer's legal documents indicate that customer information will be deleted at the request of the customer, but does not say that termination of the customer's account results in automatic deletion. The legal documents do not mention what will be done with customer information if the service ceases operations. | ✗ |

Threat Notification

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company will notify the relevant authorities without undue delay when a data breach occurs.</i> | <ul style="list-style-type: none">The manufacturer's legal documents do not contain any commitment to inform relevant authorities in the event of a data breach. | ✗ |
| <i>The company clearly discloses its process for notifying data subjects who might be affected by a data breach.</i> | <ul style="list-style-type: none">The manufacturer's legal documents do not contain any commitment to inform data subjects in the event of a data breach. | ✗ |
| <i>The company clearly discloses what kinds of steps it will take to address the impact of a data breach on its users.</i> | <ul style="list-style-type: none">The manufacturer's legal documents do not contain any information about what steps it will take to address the impact of a data breach on users. | ✗ |

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User Notification About Third-Party Requests for User Information

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The company notifies users when government entities (including courts or other judicial bodies) request their user information.</i> | <ul style="list-style-type: none">The manufacturer's legal documents indicate that they may turn over users' information in response to a law enforcement request but do not commit to informing the user when that occurs. | ✗ |
| <i>The company notifies users when private parties request their user information.</i> | <ul style="list-style-type: none">The manufacturer's legal documents indicate that they may turn over users' information in response to a legal request by private parties but do not commit to informing the user when that occurs. | ✗ |
| <i>The company clearly discloses situations when it might not notify users, including a description of the types of government requests it is prohibited by law from disclosing to users.</i> | <ul style="list-style-type: none">The manufacturer's legal documents do not include any information about when the company will notify users of any requests, or when it will refuse to do so. | ✗ |

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Transparency Reporting

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>The company lists the number of requests it receives by country.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists the number of requests it receives for stored user information and for real-time communications access.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists the number of accounts affected.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists whether a demand sought communications content or non-content or both.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company identifies the specific legal authority or type of legal process through which law enforcement and national security demands are made.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company includes requests that come from court orders.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists the number of requests it receives from private parties.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists the number of requests it complied with, broken down by category of demand.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company lists what types of government requests it is prohibited by law from disclosing.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The company reports this data at least once per year.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |
| <i>The data reported by the company can be exported as a structured data file.</i> | <ul style="list-style-type: none"> The manufacturer does not produce a transparency report that we could find. | ✗ |

Governance

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>Explicit and clearly articulated policy commitment to human rights, including freedom of expression and privacy.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation expressing a commitment to human rights, including freedom of expression and privacy. | ✗ |
| <i>The board of directors exercises formal oversight over how company practices affect freedom of expression and privacy.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing board-level oversight processes relating to human rights, including freedom of expression and privacy. | ✗ |
| <i>An executive-level committee, team, program or officer oversees how company practices affect freedom of expression and privacy.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing executive-level oversight processes relating to human rights, including freedom of expression and privacy. | ✗ |
| <i>A management-level committee, team, program or officer oversees how company practices affect freedom of expression and privacy.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing management-level oversight processes relating to human rights, including freedom of expression and privacy. | ✗ |
| <i>Provides employee, volunteers or other staff training on freedom of expression and privacy issues.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation regarding employee, staff, or volunteer training processes relating to human rights, including freedom of expression and privacy. | ✗ |
| <i>Maintains a whistleblower program through which employees, volunteers or other staff can report concerns related to how the company treats its users' freedom of expression and privacy rights.</i> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing an employee whistleblower program. | ✗ |

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| <p><i>As part of its decision-making, considers how laws affect freedom of expression and privacy in jurisdictions where it operates.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing how it considers laws in the jurisdictions in which it operates, or how they impact freedom of expression and privacy in its decision-making processes. | <p>✗</p> |
| <p><i>Regularly assesses free expression and privacy risks associated with existing products and services.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing any assessment processes for existing products and services regarding risks to human rights, including freedom of expression and privacy. | <p>✗</p> |
| <p><i>Assesses free expression and privacy risks associated with a new activity, including the launch and/or acquisition of new products or services or entry into new markets.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing any assessment processes for new products, services, or activities regarding risks to human rights, including freedom of expression and privacy. | <p>✗</p> |
| <p><i>Assesses free expression and privacy risks associated with the processes and mechanisms used to enforce its Terms of Service.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation discussing or indicating that it conducts any evaluation of freedom of expression and privacy risks when enforcing its terms of service. | <p>✗</p> |
| <p><i>Conducts in-depth due diligence wherever the company's risk assessments identify concerns.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation disclosing that it conducts due diligence regarding concerns raised in any risk assessments in formal policy documents or in other communications that reflect official company policy. | <p>✗</p> |
| <p><i>Senior executives and/or members of the company's board of directors review and consider the results of assessments and due diligence in decision-making for the company.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing executive- or board-level review processes relating to conducting or using assessments of risks to human rights, including freedom of expression and privacy, and due diligence in decision-making. | <p>✗</p> |

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| <p><i>Conducts assessments on a regular schedule.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing whether they conduct human rights impact assessments, or providing any timeline or interval for conducting assessments. | <p>✗</p> |
| <p><i>The company initiates or participates in meetings with stakeholders that represent, advocate on behalf of, or are people directly and adversely impacted by the company's business.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing consultation with stakeholders that represent, advocate on behalf of, or are people directly and adversely affected by the company's business. | <p>✗</p> |
| <p><i>Clear disclosure of processes for receiving complaints.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing a process for receiving human rights or privacy complaints. The company website does provide mechanisms for seeking support or assistance, including email and phone numbers for a customer support line, but not human rights or privacy complaints specifically. | <p>✗</p> |
| <p><i>Clear disclosure of process for responding to complaints.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation describing a process for responding to human rights or privacy complaints it receives. | <p>✗</p> |
| <p><i>The company reports on the number of complaints received.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation reporting, or indicating that it reports, the number of human rights or privacy complaints it receives. | <p>✗</p> |
| <p><i>The company provides evidence that it is responding to complaints.</i></p> | <ul style="list-style-type: none"> The pressure cooker manufacturer has no language in any of its policies or other documentation providing evidence that it is responding to human rights or privacy complaints it receives. | <p>✗</p> |

Open Source

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>Software is open source, meaning published under a license approved and listed by the Open Source Initiative. (https://opensource.org/licenses/alphabetical)</i> | <ul style="list-style-type: none">Nowhere in the pressure cooker manufacturer's policies or other corporate or technical documentation does it indicate that it uses open source software. | ✗ |

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Interoperability

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>The manufacturer does not use software, copyright, or other devices to restrict the use of products and services that would otherwise be possible to use with your existing products (e.g., set-top boxes, third party applications, etc.).</i> | <ul style="list-style-type: none">The pressure cooker can be controlled by both Amazon's Alexa and Google Assistant, but we did not find any information on developing other products to use with the pressure cooker or a published API. | ⚠ |

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Ownership

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>The company does not retain any control or ownership over the operation, use, inputs, or outputs of the product after it has been purchased by the consumer.</i> | <ul style="list-style-type: none">• The pressure cooker and app rely on servers maintained by the manufacturer in order to operate in the expected manner.• In addition, servers of either Google or Amazon are needed to operate either of those companies' automation features.• Through these requirements, the manufacturer could exert control over the operation, use, or outputs of the product. | ✗ |

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Resale

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>If a consumer sells the product on the private market, the new owner has access to the full functionality of the original product.</i> | <ul style="list-style-type: none">• The manufacturer's website contains information on resetting the cooker to factory defaults.• The mobile app allows the owner to delete their account.• The cooker will connect to a new app after factory reset.• The manufacturer's legal documents contain no language restricting resale. | ✓ |
| <i>The company does not restrict the transfer of ownership.</i> | <ul style="list-style-type: none">• The manufacturer's legal documents do not attempt to restrict resale of the pressure cooker.• However none of the documents explicitly acknowledge the ability of the owner to sell the product, nor is there any information on what happens when an owner sells their cooker. | ⚠ |

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Functionality Over Time

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>The product life cycle is communicated to the potential owner before purchase.</i> | <ul style="list-style-type: none"> While the company offers a one-year limited warranty on the product, it does not indicate in any public documentation that the product has an expected life cycle. | ✗ |
| <i>Every feature of the product will continue to work the stated product life cycle; that is, the manufacturer will not 'brick' certain parts of the product during that time frame.</i> | <ul style="list-style-type: none"> The manufacturer of the pressure cooker makes no explicit claims about the life cycle of the product, and some of its features are dependent on the cooker contacting the manufacturer's servers, which can be taken out of service unilaterally by the manufacturer. | ✗ |
| <i>The manufacturer will not cease to support the functionality I come to expect during the product life cycle.</i> | <ul style="list-style-type: none"> The manufacturer of the pressure cooker does not provide a life cycle for the pressure cooker, and therefore does not promise to support its functionality through the life cycle. | ✗ |
| <i>Replacement services will exist if the manufacturer ceases to support the functionality during the product life cycle.</i> | <ul style="list-style-type: none"> The pressure cooker's manufacturer does not provide for a product life cycle, nor does it address the existence of replacement services should it cease to support the cooker's functionality. | ✗ |
| <i>The company commits that, in the event the company is sold or acquired, the new owner will maintain the intended functionality for the full product life cycle.</i> | <ul style="list-style-type: none"> The pressure cooker's manufacturer makes no claims about the actions of any future owner of the company. | ✗ |

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Privacy by Default

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>Targeted advertising is off by default.</i> | <ul style="list-style-type: none">• The manufacturer does not host or send ads to the user. | ✓ |
| <i>User interface settings which are optimal for privacy are set by default.</i> | <ul style="list-style-type: none">• The pressure cooker's mobile app does not provide for any means to control any privacy settings, short of deleting the user's account.• The manufacturer's website does not provide users the ability to log in and does not provide for any means to control privacy settings. | ✗ |

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Best Build Practices

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <i>The product was built with effectively implemented safety features.</i> | <ul style="list-style-type: none"> • Best build practice 1: The pressure cooker Android app does not trigger any security warnings when it is run through the Integrated Development Environment (IDE) security checks. • Best build practice 2: The pressure cooker Android app does not use signature-based permissions, but does request special permissions (access to the device location). • Best build practice 3: The pressure cooker Android app mostly requires specific permissions that limit the use of various parts of the app's code to the app itself. However six places where permissions should be declared were missed, which leaves parts of the app's functionality open to use by other apps on the device. | <p>✓ ✗ ✗</p> |
| <i>The software does not make use of unsafe functions or libraries.</i> | <ul style="list-style-type: none"> • The pressure cooker Android app triggers several version mismatch errors when run through lint tests provided by the Android IDE (Integrated Development Environment). These are errors where functionality that is only in newer versions of the Android platform is used, but the app's configuration states that it supports older versions of Android that do not contain the used piece of functionality. This may not be an error. Older versions will simply ignore the reference to newer functionality, so a developer may choose to keep these errors in order to target a wider age range of devices. • More significantly the app tries to get the permission to write settings, but this will only ever be given to system level apps, which the pressure cooker app is not. There is no danger to this, as Android will mostly ignore it. This may indicate poor code quality. | <p>⚠</p> |
| <i>The software is not overly complex.</i> | <ul style="list-style-type: none"> • The Java class tree (a representation of the function and structure of a Java program) while large, is mostly composed of libraries that are part of core Android or Google projects. The external libraries included in the Android app all perform functions that are necessary for app use or product/app interaction, or as minor components of the app (e.g. a collection of "loading" icons, or buttons). | <p>✓</p> |

Authentication

✓ Pass ⚠ Partial Pass ✗ Fail

— Criteria: A product has an authentication system that corresponds to the sensitivity of the user data it manages. —

| Indicator | Smart Pressure Cooker | Final Results |
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| <i>If a product supports user accounts, it has an authentication system for accessing those accounts.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does have a user authentication system. The app allows for the browsing of recipes through the app without any set up of a user account but anything beyond that (commenting on recipes, configuring devices, etc.) was unavailable without creating an account. | ✓ |
| <i>If a product is packaged with an account with default credentials, those credentials are unique to the instance of the product.</i> | <ul style="list-style-type: none"> The pressure cooker Android app is not packaged with default credentials, instead you must create an account. | ✓ |
| <i>If a product has an authentication system, the user must authenticate each time they want to use the product.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does not require logging in again, even with multiple app closures and device restarts. | ✗ |
| <i>If a product has an authentication system, it requires at least two pieces of information to authenticate users.</i> | <ul style="list-style-type: none"> The pressure cooker Android app requires a username or email address, as well as a password. | ✓ |
| <i>For products that handle sufficiently sensitive data, users can choose to use multi-factor authentication.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does access important data like a user's location. Users can specify whether the app is allowed access to location data while the app is in use, or access to location data at all times. However, the app does not support multi-factor authentication. | ✗ |
| <i>For products that handle sufficiently sensitive data, users can choose to use multi-factor authentication whenever the product is activated, or when a device is unrecognized.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does access important data like a user's location, but does not support multi-factor authentication. | ✗ |

| <p><i>If the product uses a password/passphrase for authentication, it requires that passwords are at least 8 characters long.</i></p> | <ul style="list-style-type: none"> The pressure cooker Android app requires that passwords must be at least six characters long, which is two characters short of the eight character minimum. | <p>✗</p> |
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| <p><i>If the product uses a password/passphrase for authentication, the password/passphrase may be at least 20 characters long.</i></p> | <ul style="list-style-type: none"> The pressure cooker Android app accepted up to a 32 character passphrase, the highest character count tested. | <p>✓</p> |
| <p><i>If the product uses a password/passphrase for authentication, it requires that passwords are reasonably complex.</i></p> | <ul style="list-style-type: none"> The pressure cooker Android app has no requirements for special characters, casing, or mixed use of letters and numbers in passwords. | <p>✗</p> |
| <p><i>If the product uses a password/passphrase for authentication, it allows all reasonable characters as input.</i></p> | <ul style="list-style-type: none"> The pressure cooker Android app places no limits on which special characters may be used as part of a passphrase. | <p>✓</p> |
| <p><i>If the product uses a password/passphrase for authentication, it is compatible with popular password managers.</i></p> | <ul style="list-style-type: none"> On the login screen, the pressure cooker Android app allowed the copy/paste function from a password manager to input username and password. | <p>✓</p> |
| <p>— Criteria: A product that has an authentication system resists attempts to break it. —</p> | | |
| Indicator | Smart Pressure Cooker | Final Results |
| <p><i>The product allows users to be notified via an out-of-band medium when account security settings are changed.</i></p> | <ul style="list-style-type: none"> There is no option for selecting an out of band notification, such as by email or text message, for changes to the account security settings, or other settings. | <p>✗</p> |

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| <p><i>To change a password/passphrase/pin, a user must enter the previous password/passphrase/pin, or have access to a secondary system that is used to reset it.</i></p> | <ul style="list-style-type: none"> • Logged in: When the user is logged in, the Android app requires the input of an old password in order to set the new password. • Not logged in: When the user is not logged in, the Android app requires an email address to be used for password reset. | <p>✓ ✓</p> |
| <p><i>The product notifies users when account security settings have changed.</i></p> | <ul style="list-style-type: none"> • The Android app does not generate any notifications of changes to account settings. | <p>✗</p> |
| <p><i>If the product has an authentication system, it also has a system to prevent brute-force/dictionary attacks.</i></p> | <ul style="list-style-type: none"> • The Android app did not limit the number of failed logins in any way after 15 attempts. | <p>✗</p> |

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Encryption

✓ Pass ⚠ Partial Pass ✗ Fail NA

| Indicator | Smart Pressure Cooker | Final Results |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>Transmission of user communications or information is encrypted by default.</i> | <ul style="list-style-type: none"> Test 1: The pressure cooker manufacturer indicates that the company uses standard security measures but does not specify what they are. The manufacturer's privacy policy states that they cannot ensure the security of information transmitted between company and user, or guarantee that it will be secure from unauthorized access by third parties. Test 2: The pressure cooker Android app uses TLS v 1.2 encryption by default for all communication with the manufacturer's servers. | ✗ ✓ |
| <i>Transmission of user communications or information is encrypted using unique keys.</i> | <ul style="list-style-type: none"> The pressure cooker Android app uses new session keys each time it establishes encrypted connections with the server. | ✓ |
| <i>Users can secure their content using end-to-end encryption.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does not provide an interface for enabling or disabling end-to-end encryption. Users can make public-facing comments on some content, or set non-sensitive preferences for information that is displayed only to the user. However, none of this is expected to be private. The app does not allow for the creation or sharing of user content from one user to another. | NA |
| <i>End-to-end encryption is enabled by default.</i> | <ul style="list-style-type: none"> The pressure cooker Android app does not provide a feature for the user to communicate privately with other users. | NA |
| <i>User information and communications are encrypted by default when at rest.</i> | <ul style="list-style-type: none"> The pressure cooker Android app stores information about the user's account on the device and their interaction with the app, such as the email address associated with the user's account, and the last time the app was used by them. This information is stored in an unencrypted file on the device. The app requires administrative privileges to access this information in a running Android system, but as it is unencrypted, this information would not be secure from any possible privilege escalation attack on the Android platform or other apps. | ✗ |

Known Exploit Resistance

✓ Pass ⚠ Partial Pass ✗ Fail NA

| Indicator | Smart Pressure Cooker | Final Results |
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| — Browsers — | | |
| <i>The software is secure against known bugs and types of attacks.</i> | <ul style="list-style-type: none"> While the evaluation of browsers makes sense for devices such as tablets or phones, most IoT devices will not include a browser component. The pressure cooker does not use a browser. | NA |
| — Apps — | | |
| <i>The software is secure against known bugs and types of attacks.</i> | <ul style="list-style-type: none"> After conducting keyword searches for Common Vulnerabilities and Exposures (CVEs), as well as additional web searches for any reported vulnerabilities, there were no known vulnerabilities identified that would affect the pressure cooker, or its associated apps. In addition, while conducting the Best Build Practices Digital Standard test, a non-maintained Java library (i.e. code no one is working on anymore) was uncovered. Additional searching for known vulnerabilities against that library also yielded no results. | ✓ |
| — Connected Devices — | | |
| <i>The software is secure against known bugs and types of attacks.</i> | <ul style="list-style-type: none"> We were unable to obtain the firmware for the pressure cooker. | NA |

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Vulnerability Disclosure Program

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>The company has a mechanism (ex: a bug bounty program) through which security researchers can submit vulnerabilities they discover.</i> | <ul style="list-style-type: none">• The product website does not include any information about processes or mechanisms for disclosing found vulnerabilities to the company. | ✗ |
| <i>The company discloses the timeframe in which it will review reports of vulnerabilities.</i> | <ul style="list-style-type: none">• The product website does not include any information about processes or mechanisms for disclosing found vulnerabilities, and does not include any information about timeframes for review. | ✗ |
| <i>The company commits not to pursue legal action against security researchers.</i> | <ul style="list-style-type: none">• The product website does not include any information about processes or mechanisms for disclosing found vulnerabilities, and does not include any information about security research or legal protections for researchers. | ✗ |

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Security Over Time

✓ Pass ⚠ Partial Pass ✗ Fail

| Indicator | Smart Pressure Cooker | Final Results |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <i>The product life cycle is communicated to the potential owner before purchase.</i> | <ul style="list-style-type: none">• The pressure cooker's manufacturer offers a limited, one-year warranty on the operation of the physical device.• There is no statement describing a life cycle for updates to the app. | ✗ |
| <i>Software updates are authenticated.</i> | <ul style="list-style-type: none">• There is no process for authenticating updates described in available company documents. | ✗ |
| <i>Automatic software updates.</i> | <ul style="list-style-type: none">• There is no information in any documentation available on the company website that describes a process for automatic updates. | ✗ |
| <i>Notification of software update.</i> | <ul style="list-style-type: none">• There is no information in any documentation available on the company website that describes a process for notifying users of software updates. | ✗ |

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Product Stability

| Indicator | Smart Pressure Cooker | Final Results |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <i>The software is not susceptible to crashes.</i> | <ul style="list-style-type: none">The pressure cooker Android app was put through fuzz testing using an AFL-based (American Fuzzy Lop) approach, using seed file sources gathered from many fuzzing projects undertaken by external actors (e.g. Cisco seed file repository), and tests written with broad code coverage in mind. After running the tests for multiple days, there was no evidence of reproducible crashing. However, it is possible that the fuzz tests did not cover enough of the codebase, and that more and differently-targeted testing could uncover instability that was not revealed through our testing. | <i>see details to the left and methodology for more info</i> |
| <i>If the program is forced to unexpectedly terminate, it shuts down in a safe and responsible fashion.</i> | <ul style="list-style-type: none">The pressure cooker Android app was put through fuzz testing for multiple days, and there was no evidence of reproducible crashing. | <i>see details to the left and methodology for more info</i> |
| <i>The software is not vulnerable to algorithmic complexity attacks.</i> | <ul style="list-style-type: none">The pressure cooker Android app was put through fuzz testing, and fuzz tests written to test for complexity attacks. The app did not crash as a result of these inputs. However, it is possible that the fuzzing tests did not cover enough of the possible features that allow input, and that refined fuzzing tests could uncover an issue. | <i>see details to the left and methodology for more info</i> |